Contents of Soil & Tillage Research, Volume 31

VOL. 31 NO. 1	JULY 1994
Calibration of a sheargraph	
J.M. Kirby, C.B. McLachlan and B.G. Blunden (Canberra,	
A.C.T., Australia)	
Ridge tillage for continuous grain sorghum production with limited	
P.W. Unger (Bushland, TX, USA)	11
A servo controlled simple shear box	
H.D. Harris and D.M. Bakker (Toowoomba, Qld., Australia)	
Short Communication	
Temporal changes in soil physical conditions after deep loosening of England	of a silty clay loam in SW
S.J. Twomlow, R.J. Parkinson (Newton Abbot, UK) and I. Rei	d (London, UK) 37
ISTRO-INFO	49
Reading table	91
VOL. 31 NOS. 2-3	AUGUST 1994
Crop performance and soil conditions on imperfectly drained loan	ns after 20-25 years of
conventional tillage or direct drilling	
B.C. Ball (Edinburgh, UK), R.W. Lang, E.A.G. Robertson (Pe	
M.F. Franklin (Aberdeen, UK)	
Soil structural and transport properties associated with poor growt direct drilled when wet	h of oil-seed rape in soil
B.C. Ball (Edinburgh, UK) and E.A.G. Robertson (Penicuik, UK)	JK) 119
Effects of uniaxial compaction on aeration and structure of plough	
B.C. Ball (Edinburgh, UK) and E.A.G. Robertson (Penicuik, UK)	
Crop residue effects on soil quality following 10-years of no-till con	· · ·
D.L. Karlen (Ames, IA, USA), N.C. Wollenhaupt (Madison, V	
E.C. Berry, J.B. Swan, N.S. Eash (Ames, IA, USA) and J.L. Jo.	
USA)	
Weeds in single-crop conservation farming in Zimbabwe	
H. Vogel (Harare, Zimbabwe)	

Unbiased estimation of the fractal dimension of soil aggregate size distributions	107
E. Perfect, B.D. Kay and V. Rasiah (Guelph, Ont., Canada)	18/
Estimating soil water content from soil strength	
L.N. Mielke (Lincoln, NE, USA), W.L. Powers, S. Badri and A.J. Jones (Lincoln, NE,	
USA)	199
Long-term conservation tillage and liquid dairy manure effects on corn. I. Nitrogen	
availability	
J.R. Joshi (Hickory Corners, MI, USA), J.F. Moncrief (St. Paul, MN, USA), J.B. Swan	
(Ames, IA, USA) and P.M. Burford (St Paul, MN, USA)	211
Long-term conservation tillage and liquid dairy manure effects on corn. II. Nitrate	
concentration in soil water	
J.R. Joshi (Hickory Corners, MI, USA), J.F. Moncrief (St. Paul, MN, USA), J.B. Swan	
(Ames, IA, USA) and G.L. Malzer (St. Paul, MN, USA)	225
Compression of intact subsoils under short-duration loading	223
E.V. Salire, J.E. Hammel and J.H. Hardcastle (Moscow, ID, USA)	225
	233
Erosion and crop yield response to soil conditions under alley cropping systems in the	
Philippines	
R.A. Comia, E.P. Paningbatan (Laguna, Philippines) and I. Håkansson (Uppsala,	
Sweden)	249
Organic matter incorporation affects mechanical properties of soil aggregates	
H. Zhang (Hannover, Germany)	263
Short communication	
Computerized determination of the preconsolidation stress in compaction testing of field	
core samples	
J.B. Dawidowski (Szczecin, Poland) and A.J. Koolen (Wageningen,	
Netherlands)	277
Netherlands)	211
Book reviews	
Soil physics	283
Soil organic matter dynamics and sustainability of tropical agriculture	285
VOL. 31 NO. 4 SEPTEMBER 19	994
SEI TEMBER 12	777
A review of conservation tillage strategies for humid temperate regions	
M.R. Carter (Charlottetown, Prince Edward Island, Canada)	289
Traffic and seasonal influences on the energy required for cultivation and on the subsequent	
tilth	
C.W. Watts and A.R. Dexter (Bedford, UK)	202
Compostion and manatestics are interested for A15-1 and Faction and their influence on most	303
Compaction and penetration resistance of an Alfisol and Entisol and their influence on root	
growth of maize seedlings	
K.P. Panayiotopoulos, C.P. Papadopoulou and A. Hatjiioannidou (Thessaloniki, Greece)	323
Sustainability of soil structure quality in rice paddy—soya-bean cropping systems in South	
Sulawesi, Indonesia	
A. Cass, S. Gusli (Glen Osmond, S.A., Australia) and D.A. MacLeod (Armidale, N.S.W.,	
Australia)	339
Interrill soil erosion as affected by tillage and residue cover	
J.M. Bradford (Weslaco, TX, USA) and Ch. Huang (West Lafayette, IN, USA)	353
Donomatais aubic countinus for an adultinus accordable and alough confesses	
N.M. Ravonison and M.F. Destain (Gembloux, Belgium)	262
N.M. Ravoilison and M.F. Destain (Gembioux, Belgium)	303
Short Communication	

Short Communication
Influence of method of land preparation on weed regeneration in cowpea (Vigna unguiculata

L. Walp.) C.E. Ikuenobe, J.U. Chokor and A.E. Isenmila (Benin-City, Nigeria)	
Author Index	388